



## ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

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### MATERIAL SAFETY DATA SHEET (MSDS) SDS/MSDS

#### NICKEL OXIDE GREEN

CAS No: 1313-99-1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1.

Product identifier

Product form: **NICKEL OXIDE GREEN**

CAS No: 1313-99-1

1.2.

: Substance

:

Relevant identified uses of the substance or mixture and uses advised against

1.2.1.

Relevant identified uses

Use of the substance/mixture

1.2.2.

Uses advised against

No additional information available

1.3.

: Laboratory chemicals, Manufacture of substances

SECTION 2: Hazards identification

2.1.

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Sensitisation — Skin,

category 1

Carcinogenicity

(inhalation) Category 1A

Specific target organ

toxicity — Repeated

exposure, Category 1

Hazardous to the aquatic

environment — Chronic

Hazard, Category 4

H317

H350i

H372

H413

Full text of classification categories and H statements : see section 16

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Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.1; R49

T; R48/23

R43

R53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2.

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP)

Signal word (CLP)

Hazard statements (CLP)

:

GHS07

: Danger

GHS08

: H317 - May cause an allergic skin reaction

H350i - May cause cancer by inhalation

H372 - Causes damage to organs through prolonged or repeated exposure

H413 - May cause long lasting harmful effects to aquatic life

Precautionary statements (CLP)

2.3.

Other hazards

: P201 - Obtain special instructions before use

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308+P313 - IF exposed or concerned: Get medical advice/attention

No additional information available

SECTION 3: Composition/information on ingredients

3.1.

Substance

Name

CAS No

: NICKEL OXIDE GREEN Extra Pure

: 1313-99-1

Full text of R- and H-phrases: see section 16

3.2.

Mixture

Not applicable

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### SECTION 4: First aid measures

#### 4.1.

Description of first aid measures

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

First-aid measures after skin contact

First-aid measures after eye contact

First-aid measures after ingestion

#### 4.2.

: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

: Rinse mouth out with water. If you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries

Symptoms/injuries after inhalation

#### 4.3.

: May cause an allergic skin reaction. May cause damage to organs.

: May cause cancer by inhalation.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1.

Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

#### 5.2.

: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

: Do not use a heavy water stream.

Special hazards arising from the substance or mixture

No additional information available

#### 5.3.

Advice for firefighters

Protection during firefighting

### SECTION 6: Accidental release measures

: Do not attempt to take action without suitable protective equipment.

#### 6.1.



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Personal precautions, protective equipment and emergency procedures

6.1.1.

For non-emergency personnel

Emergency procedures

6.1.2.

For emergency responders

Protective equipment

Emergency procedures

6.2.

Environmental precautions

: Evacuate unnecessary personnel.

: Use personal protective equipment as required.

: Ventilate area.

Avoid release to the environment.

6.3.

Methods and material for containment and cleaning up

Methods for cleaning up

6.4.

Reference to other sections

: Clear up rapidly by scoop or vacuum.

No additional information available

SECTION 7: Handling and storage

7.1.

Precautions for safe handling

Precautions for safe handling

Hygiene measures

7.2.

: Avoid breathing dust/fume/gas/mist/vapours/spray. Do not breathe dust/fume/gas/mist/vapours/spray.

: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage conditions

7.3.

Specific end use(s)

: Store in original container. Keep container tightly closed. Store in a dry place.

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

8.2. Exposure controls

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Colour : Greyish green powder.

Odour : odourless.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 4.84 g/cm<sup>3</sup>



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Solubility : Water: Insoluble in water

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

NICKEL OXIDE GREEN Extra Pure

Safety Data Sheet

Oxidising properties

Explosive limits

9.2.

Other information

: No data available

: No data available

No additional information available

SECTION 10: Stability and reactivity

10.1.

Reactivity

No additional information available

10.2.

Chemical stability

Stable under normal conditions.

10.3.

Possibility of hazardous reactions

No additional information available

10.4.

Conditions to avoid

Direct sunlight. Air contact. Moisture.

10.5.

Incompatible materials

No additional information available

10.6.

Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1.



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Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single exposure)

Specific target organ toxicity (repeated exposure)

Aspiration hazard



SECTION 12: Ecological information

: Not classified

: Not classified

: Not classified

: May cause an allergic skin reaction.

: Not classified

: May cause cancer by inhalation.

: Not classified

: Not classified

: Causes damage to organs through prolonged or repeated exposure.

: Not classified

12.1.

Toxicity

Ecology - water

: May cause long lasting harmful effects to aquatic life.

12.2.

Persistence and degradability

NICKEL OXIDE GREEN Extra Pure (1313-99-1)

Persistence and degradability May cause long-term adverse effects in the environment.

12.3.

Bioaccumulative potential

No additional information available

12.4.

Mobility in soil

No additional information available

12.5.

Results of PBT and vPvB assessment

No additional information available

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12.6.

Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1.

Waste treatment methods

Product/Packaging disposal  
recommendations

SECTION 14: Transport information

: Dispose of contents/container to ...

In accordance with ADR / RID / IMDG / IATA / ADN

14.1.

UN number

UN-No. (ADR)

UN-No. (IMDG)

UN-No.(IATA)

UN-No.(ADN)

UN-No. (RID)

14.2.

UN proper shipping name

: Not applicable

: Not applicable

: Not applicable

: Not applicable

: Not applicable

Proper Shipping Name (ADR)

Proper Shipping Name (IMDG)

Proper Shipping Name (IATA)

Proper Shipping Name (ADN)

Proper Shipping Name (RID)

14.3.

Transport hazard class(es)

: Not applicable

: Not applicable

: Not applicable

: Not applicable

: Not applicable

ADR

Transport hazard class(es) (ADR)

IMDG

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Transport hazard class(es) (IMDG)

IATA

: Not applicable

: Not applicable

Transport hazard class(es) (IATA)

ADN

Transport hazard class(es) (ADN)

RID

Transport hazard class(es) (RID)

14.4.

Packing group

: Not applicable

: Not applicable

: Not applicable

Packing group (ADR)

Packing group (IMDG)

Packing group (IATA)

Packing group (ADN)

Packing group (RID)

14.5.

Environmental hazards

: Not applicable

: Not applicable

: Not applicable

: Not applicable

: Not applicable

Dangerous for the environment

Marine pollutant

Other information

14.6.

Special precautions for user

: No

: No

: No supplementary information available- Overland transport

No data available- Transport by sea

No data available- Air transport

No data available- Inland waterway transport

No data available- Rail transport

No data available

14.7.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1.

Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

NICKEL OXIDE GREEN Extra Pure is not on the REACH Candidate List

NICKEL OXIDE GREEN Extra Pure is not on the REACH Annex XIV List

##### 15.1.2. National regulations

AwSV/VwVwS Annex reference

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV

Denmark

Recommendations Danish Regulation

#### 15.2.

Chemical safety assessment

: Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 3; WGK No 5368)

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

: Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

No additional information available

### SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Aquatic Chronic 4

Hazardous to the aquatic environment — Chronic Hazard, Category 4

Carc. 1A

Skin Sens. 1

STOT RE 1

H317

H350i

H372

Carcinogenicity (inhalation) Category 1A

Sensitisation — Skin, category 1

Specific target organ toxicity — Repeated exposure, Category 1

May cause an allergic skin reaction

May cause cancer by inhalation

Causes damage to organs through prolonged or repeated exposure

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H413

R43

R48/23

R49

R53

T

May cause long lasting harmful effects to aquatic life

May cause sensitisation by skin contact

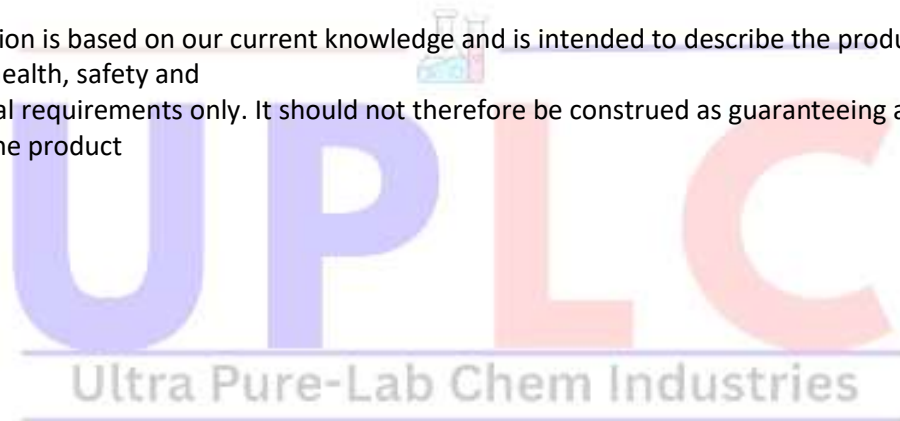
Toxic: danger of serious damage to health by prolonged exposure through inhalation

May cause cancer by inhalation

May cause long-term adverse effects in the aquatic environment

Toxic

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



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